

10th Conference on Applied Infrastructure Research (INFRADAY)

“Institutional Models in Infrastructure Sectors – Conceptual Issues and Empirical Evidence”

Berlin, 7-8 October, 2011

TU Berlin (Straße des 17. Juni 136)

Final Program

| Friday, 07 October, 2011 (Gebäude MA (Mathegebäude) / Building MA (Math Building), Straße des 17. Juni 136) | | | |
|--|---|--|--|
| 13.00 h | Registration, Coffee & Tea | | |
| 14.00 h | Opening Address (Room MA 001) Gabriele Wendorf (Vice President TU Berlin) Christian von Hirschhausen (TU Berlin / DIW) | | |
| 14.15 h | Keynote Speech (Room MA 001) Chair: Christian von Hirschhausen (TU Berlin / DIW) Frank Ward (State University of New Mexico): Water Allocation and Use – Recent Research and Policy Issues | | |
| 15.00 h | Award of the 9th Hans-Jürgen-Ewers-Prize | | |
| 15.30 h | Coffee & Tea | | |
| 15.45 h | Panel Discussions on Topical Issues <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <u>Realizing large scale infrastructure projects (MA 004)</u> Chair: Christian von Hirschhausen (TU Berlin / DIW) Acceptance: Peter Gosslar (BI Pro Erdkabel) Airports: Matthias Hellriegel (EggersMalmendier) CCS: Michael Donnermeyer (IZ Klima) Electricity: Peter Ahmels (DUH) </td> <td style="width: 50%; vertical-align: top;"> <u>Road pricing – a new perspective (Room MA 005)</u> Chair: Kay Mitusch (KIT) Astrid Günemann (University of Leeds) Laurent Guihéry (LET-ISH) Jan Liepe (Waldeck Rechtsanwälte) Gernot Liedtke (IWW) Jan Peter Klatt (TU Berlin) </td> </tr> </table> | <u>Realizing large scale infrastructure projects (MA 004)</u> Chair: Christian von Hirschhausen (TU Berlin / DIW) Acceptance: Peter Gosslar (BI Pro Erdkabel) Airports: Matthias Hellriegel (EggersMalmendier) CCS: Michael Donnermeyer (IZ Klima) Electricity: Peter Ahmels (DUH) | <u>Road pricing – a new perspective (Room MA 005)</u> Chair: Kay Mitusch (KIT) Astrid Günemann (University of Leeds) Laurent Guihéry (LET-ISH) Jan Liepe (Waldeck Rechtsanwälte) Gernot Liedtke (IWW) Jan Peter Klatt (TU Berlin) |
| <u>Realizing large scale infrastructure projects (MA 004)</u> Chair: Christian von Hirschhausen (TU Berlin / DIW) Acceptance: Peter Gosslar (BI Pro Erdkabel) Airports: Matthias Hellriegel (EggersMalmendier) CCS: Michael Donnermeyer (IZ Klima) Electricity: Peter Ahmels (DUH) | <u>Road pricing – a new perspective (Room MA 005)</u> Chair: Kay Mitusch (KIT) Astrid Günemann (University of Leeds) Laurent Guihéry (LET-ISH) Jan Liepe (Waldeck Rechtsanwälte) Gernot Liedtke (IWW) Jan Peter Klatt (TU Berlin) | | |
| 17:15 h | Renewable energy policies (Room MA 004) Chair: Karsten Neuhoff (CPI Berlin) Robert Brandt (BEE) Christoph Riechmann (Frontier Economics) Lion Hirth (Vattenfall) Marco Nicolosi (Ecofys) | | |
| 18.45 h | Reception / Buffet Dinner | | |
| 20.00 h | Join us for informal talks and a beer at “Café Hardenberg” (Hardenbergstr. 10, 10623 Berlin) | | |

Scientific Partners and Supporting Organizations

10th Conference on Applied Infrastructure Research (INFRADAY)

Final Program

| | | | | | | |
|--|---|--|---|--|-----------|--|
| Saturday, 8 October, 2011 (Gebäude MA (Mathegebäude) / Building MA (Math Building), Straße des 17. Juni 136) | | | | | | |
| 8.00 h Registration, Coffee & Tea | | | | | | |
| 9.00 h <u>Keynote Speech (Room MA 001)</u> Chair: Astrid Cullmann (DIW) David Saal (Aston Centre for Critical Infrastructure and Services): Vertical and Horizontal Cost Relationships in the Water and Electricity Sectors: Recent Empirical Evidence and Its Policy Implications | | | | | | |
| 9.45 h | <u>Regulation I (Room MA 041)</u> Chair: Perez Guerriero, Carmine (Univ. Amsterdam): <i>The Political Economy of (De)Regulation: Theory and Evidence from the U.S Electricity Market.</i> Neuhoff, Karsten / Boyd, Rodney (CPI Berlin): <i>Regulatory impact on EU infrastructure investments.</i> Mulder, Machiel / Winters, Jan Kees (NMA): <i>Market power in infrastructures: Regulation versus competition law.</i> Rious, Vincent / Sagan, Marcelo (Microeconomix) / Glachant, Jean-Michel / Khalfallah, Haikel / Perez, Yannick (Florence School of Regulation, European University Institute): <i>Incentive regulation with imperfect regulators in the gas and electricity sectors. Do we really know how to apply it in reality?</i> | <u>Organizational Models (Room MA 042)</u> Chair: Meunier Myagkota, Anya (Tilburg University): <i>Optimal government auction design for offshore wind procurement: Can transmission subsidies spur competition?</i> Odoemena, Anthony Tochukwu / Masahide, Horita (University of Tokyo): <i>Governmental commitment, dynamic inconsistency and opportunism in public-private partnership (PPP) for infrastructure.</i> Mozzoro, Marian (IESE Business School) / Spiller, Pablo (University of California): <i>Third-party opportunism and the theory of public contracts: operationalization and applications.</i> Meunier, David (Université Paris-Est): <i>Pricing infrastructure under imperfect competition for service provision – does the organizational model matter?</i> | <u>Efficiency Analysis (Room MA 043)</u> Chair: Saal Sander, Carsten (Univ. Muenster): <i>Cooperations between municipal utilities.</i> Nieswand, Maria / Neumann Anne / Torben Schubert (DIW): <i>Improving Regulatory Benchmarking Models by Restriction Tests: An Application to US Natural Gas Transmission Companies.</i> Böckers, Veit / Heimeshoff, Ulrich (Düsseldorf Institute for Competition Economics): <i>Pitfalls in empirical spatial market delineation: Impact of false estimation on market power in European power markets.</i> Trieb, Thomas / Saal, David (Aston University) / Arocena, Pablo (Public University of Navarra) / Kumbhakar, Subal (State University of New York): <i>Estimating economies of scale and scope using a flexible technology.</i> | <u>Water I (Room MA 004)</u> Chair: Müller Francis, Rob / Wilson, Anna (Frontier Economics): <i>Reforming water resource management to facilitate trade and investment.</i> Rehberg, Jörg (BDEW): <i>Customers' balance – a transparency initiative of the German water sector.</i> Müller, Nicole Annett (IWW): <i>Regulation of the water industry and competition in water markets – the case of Scotland (UK).</i> | | |
| 11.15 h Coffee & Tea, Refreshments, Snacks | | | | | | |
| 11.45 h | <u>Regulation II (Room MA 041)</u> Chair: Mulder Duckworth, Martin / Batchelor, Jayanthi (Frontier Economics): <i>Next generation costing: Approaches to the regulatory costing of next generation telecommunications access networks.</i> Shutova, Natalia / Deffains, Bruno / Benzoni, Laurent (Université Pantheon-Assas): <i>Optimal regulatory policy of fibre deployment.</i> Rious, Vincent (Microeconomix) / Perez, Yannick (University Paris-Sud): <i>What type(s) of support schemes for storage in island power systems?</i> Blijswijk, Martti J. (TU Delft): <i>Managing congestion in the Dutch transmission grid.</i> | <u>Transport I (Room MA 042)</u> Chair: Augustin Zhang, Li / Matteis, Tilman (KIT): <i>Congestion costs and infrastructure development: A simulation case study.</i> Elliott, Dan / Smith, Ron / Campos, Luis (Frontier Economics): <i>Empirical analysis of road travel time.</i> Bange, Cornelia (KIT): <i>Road user charges on four-lane federal roads.</i> | <u>Investment (Room MA 043)</u> Chair: Naumann Volker, Leentje / van der Lei, Telli / Ligtvoet, Andreas / Herder, Paulien (Delft University of Technology): <i>Developing a maturity model for infrastructure asset management processes.</i> Naumann, René / Peterson, Thomas (KCW): <i>Alternative financing of rail networks.</i> Mizuno, Keizo (Kwansei Gakuin University) / Yoshino, Ichiro (Nagoya University): <i>Distorted access regulation with strategic investments: Regulatory noncommitment and spillovers revisited.</i> | <u>Water II – Efficiency Analysis (Room MA 004)</u> Chair: Zschille Maziotis, Alexandros / Saal, David / Thanassoulis, Emmanuel (Aston Business School): <i>A panel based profit decomposition technique to identify the sources of profit change in the English and Welsh water and sewerage companies.</i> Porcher, Simon / Le Lannier, Aude (IAE Sorbonne Business School): <i>Efficiency in the public and private French water industry: Prospects for benchmarking.</i> Zschille, Michael (DIW Berlin): <i>Analyzing the potential gains from mergers in German water supply.</i> | | |
| 13.15 h Lunch | | | | | | |
| 14.15 h Keynote Speech (Room MA 001) Ottmar Edenhofer (IPCC, PIK, TU Berlin): Sustainable Climate Policies: The Infrastructure Challenge | | | | | | |
| 15.00 h | Electricity I | Transport II | GARS Air I | Modeling | Water III | |
| 16.45 h Coffee & Tea, Refreshments, Snacks | | | | | | |
| 17.00 h | Electricity II | Transport III | GARS Air II | Natural Gas | Water IV | |

Scientific Partners and Supporting Organizations

10th Conference on Applied Infrastructure Research (INFRADAY)
Final Program (afternoon)

| | | | | | |
|---|---|---|--|--|---|
| Saturday, 8 October, 2011 (Gebäude MA (Mathegebäude) / Building MA (Math Building), Straße des 17. Juni 136) | | | | | |
| 14.15 h | <p align="center">Keynote Speech (Room MA 001) Chair: Steve Gabriel (University of Maryland)</p> <p align="center">Ottmar Edenhofer (IPCC, PIK, TU Berlin): On the economics of renewables: costs, infrastructure challenges and policies</p> | | | | |
| 15.00 h | <p>Electricity I (Room MA 041) Chair: Hirth</p> <p>Rious, Vincent (Microeconomix) / Fabien Roques (IHS CERA) / Perez, Yannick (University Paris-Sud): Which electricity market design to encourage the development of demand response?</p> <p>Flinkerbusch, Kai (WWU): A more efficient procurement mechanism for balancing power.</p> <p>Knaus, Karina (E-Control) / Böheim, Michael (WIFO): Electricity prices after 10 years of liberalisation - competition quando tandem venires?</p> <p>Bhatt, Brijesh (HU Berlin): Institutional change and technology diffusion: The case of energy efficiency in electricity distribution sector of Andhra Pradesh (India).</p> | <p>Transport II (Room MA 042) Chair: Mitusch</p> <p>Warnecke, Christiane / Paha, Johannes (JLU) / Rompf, Dirk (ISM): Estimating travellers' preferences for competition in commercial passenger rail transport</p> <p>Matsuzawa, Toshio (Osaka City University): Effects of infrastructure provision for rail and road services on the commuting in the metropolitan areas of Japan.</p> <p>Raub, Katharina Rosa / Scholz, Aaron Bernhardt / Liedtke, Gernot Thorsten (KIT): Impacts of four road pricing scenarios on individual welfare - the case of the German motorways.</p> | <p>GARS Air I (Room MA 005) Chair: Czerny</p> <p>Hüschelrath, Kai / Müller, Kathrin (ZEW); Bilotkach, Volodymyr (University of California): The construction of a low cost airline network - facing competition and exploring new markets.</p> <p>Czerny, Achim Ingo / Mun, Se-il / Höffler, Felix (WHU): Hub charges and ownership structures.</p> <p>Grimme, Wolfgang / Schaefer, Martin / Maertens, Sven / Scheelhaase, Janina (DLR): Long-term economical and ecological impact of the inclusion of international aviation into the EU CO2 emissions trading scheme.</p> | <p>Natural Gas (Room MA 043) Chair: Gabriel</p> <p>Nagayama, Daisuke (University of Tokyo): A network game analysis of strategic interactions in the international trade of natural gas.</p> <p>Derlien, Holger / Müller-Kirchenbauer, Joachim (EFZN): The power storage potential of the natural gas infrastructure.</p> <p>Rosellon, Juan (CIDE Mexico) / Neumann, Anne / Weigt, Hannes (DIW): Removing cross-border capacity bottlenecks in the European natural gas market: A proposed merchant-regulatory mechanism.</p> <p>Gabriel, Steven A. / Avetisyan, Hakob / Moryadee, Seksun (University of Maryland): Exporting US natural gas.</p> | <p>Water III (Room MA 004) Chair: Oei</p> <p>Meran, Georg (TU Berlin, DIW): The unimportance of "Virtual Water" for environmental policy.</p> <p>Libbe, Jens (DIFU) / Felmeden, Jörg (ISOE): Transition of urban water infrastructure.</p> <p>Oei, Pao-Yu (TU Berlin): Modeling the optimal water allocation of the Euphrates Tigres watershed.</p> |
| 16.30 h | Coffee & Tea, Refreshments, Snacks | | | | |
| 17.00 h | <p>Electricity II (Room MA 041) Chair: Egerer</p> <p>Janssen, Matthias (Frontier Economics) / Niedrig, Thomas (d-fine) / Wobben, Magnus (FORMAET): Towards a better design of electricity transmission rights.</p> <p>Egerer, Jonas (TU Berlin): The North and Baltic Sea grid – economic welfare analysis and national implications.</p> <p>Qadrnan, Meysam / Chaudry, Modassar / Jenkins, Nick / Wu, Jianzhong (Cardiff University): Integrated GB energy infrastructure study under supply uncertainty: perspectives for Europe.</p> <p>Sander, Aram / Lutterbeck, Felix / Boldt, Jenny / et al. (TU Berlin): More wind in the grids – a scenario analysis.</p> | <p>Transport III (Room MA 042) Chair: Liepe</p> <p>Augustin, Katrin (KCW) / Hedel, Ralf (Probst & Consorten): How an urban public transport organization can promote its success of public transport - a comparison in major European cities.</p> <p>Weinmann, Jens / Holtermann, Michael / Radeke, Jörg (ESMT): Will the German electromobility package deliver? An assessment of the policy instruments to reach 1 million electric cars in 2020.</p> <p>Liepe, Jan / Malaviya, Nina (Waldeck Rechtsanwälte) / Pinot, Sébastien (Bignon Lebray Avocats): Internalisation of external costs within road-charging / go-ahead for a sustainable development of HGV-traffic in the European Union</p> | <p>GARS Air II (Room MA 005) Chair: Fröhlich</p> <p>Grimme, Wolfgang / Maertens, Sven / Scheelhaase, Janina (DLR): A first assessment of the ecological impacts of NOx-based landing charges at German airports.</p> <p>Fröhlich, Karsten (Hochschule Bremen): Spatial price discrimination in the European airline market.</p> <p>Mueller, Maximilian (BIGS): Provision of air transport capacities for disaster relief – organizational and fiscal approaches.</p> | <p>Water IV (Room MA 004) Chair: Siehlow</p> <p>Siehlow, Markus (TU Berlin): Modeling of waste water systems.</p> <p>Sorge, Sabine (Universität Leipzig): Organisational models in rural areas of developing countries.</p> <p>Reif, Jakob (TU Dresden) / Siehlow, Markus (TU Berlin): Using methods of cooperative game theory for water allocation management in the Orange Senqu River Basin.</p> | |
| 19.00 h | <p align="center">Reception, Dinner (Filmbühne am Steinplatz, Hardenbergstraße 12)</p> | | | | |
| <p align="center">Contact / Registration: http://www.infraday.tu-berlin.de, infraday2011@wip.tu-berlin.de</p> | | | | | |